

**RESOLUTION NO. 1424 (2022)**

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BOTHELL,  
WASHINGTON, ADOPTING THE 2023 - 2028 SIX-YEAR  
TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AND DIRECTING  
THE SAME TO BE FILED WITH THE STATE SECRETARY OF  
TRANSPORTATION

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WHEREAS, pursuant to the requirements of Section 35.77.010 of the Revised Code of Washington (RCW), the City Council of the City of Bothell has previously adopted, after one or more public hearings, a comprehensive Transportation Improvement Program for the ensuing six calendar years by resolution; and

WHEREAS, RCW Section 35.77.010 requires that each one-year extension and revision of the comprehensive transportation program be filed with the State Secretary of Transportation not more than thirty days after its adoption; and

WHEREAS, the City Council has reviewed the work accomplished under the previous program, reviewed the City Comprehensive Plan, determined current and future City transportation needs, and based upon these findings has prepared a Six-Year Transportation Improvement Program for the calendar years 2023 through 2028; and

WHEREAS, in March, 2022, the City Council held a public hearing to receive public input on the aforementioned 2023 - 2028 Six-Year Transportation Improvement Program.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BOTHELL, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. Program Adopted. The 2023 - 2028 Six-Year Transportation Improvement Program for the City of Bothell is hereby adopted and is attached hereto as **Exhibit A** and incorporated herein by this reference as if fully set forth.

Section 2. Filing of Program. Pursuant to RCW Section 35.77.010, the Public Works Department is hereby authorized and directed to file a copy of this resolution, together with Exhibit A attached hereto, with the State Secretary of Transportation.

Section 3. The City Clerk is authorized to make necessary corrections to this resolution including, but not limited to, the correction of scrivener's/clerical errors, references, resolution numbering, section/subsection numbers and any references thereto.

PASSED this 1st day of March, 2022.

APPROVED:

Mason Thompson

Mason Thompson (May 18, 2022 13:01 PDT)

MASON THOMPSON  
MAYOR

ATTEST/AUTHENTICATED:

Laura K. Hathway

LAURA K. HATHWAY  
CITY CLERK

FILED WITH THE CITY CLERK: 2/24/2022  
PASSED BY THE CITY COUNCIL: 3/1/2022  
RESOLUTION NO.: 1424 (2022)

# **City of Bothell**

## **2023-2028 Six Year Transportation Improvement Program (TIP)**



**City Council Presentation on March 1, 2022**

## **Exhibit A**

### **Six-Year Transportation Improvement Plan (TIP) Summary**

#### **Contents**

- Introduction
- Summary of Document
- TIP Project List
- TIP Map
- Project Descriptions

#### **Introduction**

The TIP is a planning document that is required to be annually updated per Section 35.77.010 of the Revised Code of Washington (RCW). The TIP must be adopted by the Council after one or more public hearings. The TIP must be filed with the State Secretary of Transportation not more than thirty days after its adoption but no later than July 1<sup>st</sup>.

To be eligible for any federal grant funding, some state grant funding, and allocation of gas tax monies, projects must be listed in the TIP.

#### **Summary of Document**

The TIP is adopted in Bothell by Resolution. The project list is developed via the Capital Facilities Plan (CFP) process which occurs biennially along with the City's budget process in even numbered years. The CFP process is typically a nine-month process that starts in spring and ends with CFP adoption by Council in late fall. The TIP, reflecting the CFP, is brought forward to the Council early the following year to meet the July 1<sup>st</sup> deadline. The TIP will be updated in the CFP off-year as necessary to reflect changes to the program due to such things as unanticipated additional revenues and opportunities; emergency projects; and/or delay in existing projects.

#### **The TIP Project List**

The TIP lists individual projects as well as programs. Each project is labeled to identify what category it falls under. The category descriptions are as follows:

Capacity projects increase the volume that roads and/or intersections can carry. Many of these projects are generated through the City's comprehensive plan process. This process determines what improvements are required to meet level of service requirements as growth occurs. Congestion projects are strongly related since many of the areas of concern are the same areas where capacity is an issue.

Condition projects are those that are needed because the infrastructure has reached the end of its useful life or has been damaged.

Economic projects are those that are important in stimulating the local economy. Examples of these are Downtown Revitalization projects.

Safety projects address areas that have high accident rates or, due to professional judgement, are anticipated to be a safety issue.

Trail projects provide pedestrian and bicycle shared-use paths separate from vehicular traffic.

Sidewalk projects provide pedestrian paths.

Bicycle projects provide bicycle facilities.

Planning projects help define transportation facility needs by doing alternative analyses, public outreach, and costing.

Programs address issues/infrastructure citywide that are recurring and need to be continually funded.

Each line item provides the following project information:

1. Project/Program name
2. Project category
3. Total estimated cost of the project
4. Estimated expenditure by year
5. Estimated 6-year expenditure total
6. Estimated revenue sources
7. Estimated 6-year revenue total

In some cases, programs will generate separately listed projects. As an example, the sidewalk program is the source of local match funds that are often augmented by grants. When a particular sidewalk project is identified, it will be listed as a separate project. This is to track expenditures but also to provide clarity on which projects are anticipated to occur in the 6-year period. This results in the sidewalk program and the individual sidewalk projects being double counted on both the expenditure and revenue side. As such, the total expenditures and revenue totals at the bottom of the project list should be used only to determine relative magnitude rather than exact totals.

2023 - 2028  
Transportation Improvement Program (TIP) - Project List

NOTE: All Dollar Amounts Given in Thousands (1,000s).																				
									Total Expenses			Funding Sources								2023-2028
												City Funds (REET, Safe Streets Levy, etc.)		Mitigation/Other		Other Agencies		Grants		6-Year Total
TIP #	CFP #	Project Type	Project Name	Total Project Cost	2023	2024	2025	2026-2028	City Streets	State Hwys	2023-2028 6-Year Total	City Streets	State Highways	City Streets	State Highways	City Streets	State Highways	City Streets	State Highways	Funds
1	T2g	Trail/Sidewalk	North Creek Trail - Section 4 (from N Terminus of North Creek Trail: Section 3 to Filbert Dr)	\$7,585	\$20	\$20	\$20	\$60	\$120		\$120	\$120								\$120
2*	T66	Safety/Capacity	Meridan Ave S & 240th St SE Roundabout	\$2,094	\$1,538				\$1,538		\$1,538			\$268				\$1,270		\$1,538
3	T65a	Capacity	Adaptive Signal Control System, Phase 1	\$2,000	\$50	\$50	\$50	\$50	\$200		\$200	\$5						\$195		\$200
4	T65b	Capacity	Adaptive Signal Control System, Phase 2	\$2,000	\$50	\$50	\$50		\$75	\$75	\$150	\$3	\$3					\$72	\$72	\$150
5*	T70	Capacity	Beardslee Boulevard Widening (Campus to I-405)	\$10,444	\$533	\$40	\$9,032		\$9,605		\$9,605	\$0		\$1,351		\$0		\$8,254		\$9,605
6	T73	Capacity	228th St SE from 35th Ave SE to 39th Ave SE Widening	\$7,176	\$584	\$35	\$5,650		\$6,269		\$6,269			\$593		\$1,671		\$4,005		\$6,269
7	T60	Capacity/Condition	NE 185th St Reconstruction & Transit Center (Beardslee Blvd to Bothell Way)	\$11,000	\$1,000	\$1,000	\$4,000	\$4,000	\$10,000		\$10,000					\$10,000				\$10,000
8	T44	Capacity	SR 522, Stage 2B Improvements (Wayne Curve to 98th Ave NE)	\$16,456	\$2,000	\$3,000	\$5,000	\$5,000		\$15,000	\$15,000						\$15,000			\$15,000
9	T74	Capacity	Bothell Way NE Widening (Reder Way to 240th St SE)	\$55,000	\$970	\$4,325	\$5,125	\$23,795	\$34,215		\$34,215			\$8,306				\$25,909		\$34,215
10	N/A	Program	Annual Pavement Preservation Program (See Current Project List Below)	\$7,630	\$2,295	\$1,270	\$995	\$3,070	\$7,630		\$7,630	\$7,630								\$7,630
11	N/A	Program	Sidewalk/Walkway Program (See Current Project List Below)	\$2,627	\$300	\$250	\$500	\$1,577	\$2,627		\$2,627	\$2,627								\$2,627
12	N/A	Program	Safety Upgrade and Replacement Program	\$400	\$40	\$40	\$80	\$240	\$400		\$400	\$400								\$400
13	N/A	Program	Bridge Inspection, Maintenance, Repair & Rehabilitation Program	\$847	\$129	\$133	\$138	\$447	\$847		\$847	\$847								\$847
14	N/A	Program	Neighborhood Traffic Calming Program	\$360	\$30	\$30	\$75	\$225	\$360		\$360	\$360								\$360
15	N/A	Program	Bicycle Program	\$250	\$25	\$25	\$50	\$150	\$250		\$250	\$250								\$250
16	N/A	Program	Collector Corridor Safety Program	\$420	\$40	\$40	\$85	\$255	\$420		\$420	\$420								\$420
17	N/A	Planning	Comprehensive Plan - Transportation Element	\$330	\$150	\$100	\$20	\$60	\$330		\$330	\$330								\$330
18	N/A	Program	Citywide Child Pedestrian School and Park Zone Safety Program	\$100	\$10	\$10	\$20	\$60	\$100		\$100	\$100								\$100
19	T86	Sidewalk	102nd Ave NE Downtown Access Improvements	\$1,430	\$1,080				\$1,080		\$1,080	\$605				\$475				\$1,080
20	N/A	Program	Crosswalk Program (See Current Project List Below)	\$365	\$78	\$134	\$114	\$39	\$365		\$365	\$365								\$365
21	T9	Condition	102 Ave NE Bridge Replacement	\$31,000				\$31,000	\$31,000		\$31,000	\$2,000		\$12,000				\$17,000		\$31,000
22	T91	Capacity	Multway Boulevard & Crossroad Street Light Reorientation	\$152	\$80				\$80		\$80	\$80								\$80
23	T78	Condition	Bothell Way NE Stream Rockery Repair (North of NE 190th St)	\$248	\$4	\$3	\$3	\$3	\$13		\$13	\$13								\$13
24	T79	Condition	Bothell-Everett Hwy Interim Rechannnelization	\$107	\$107				\$107		\$107	\$107								\$107
25	T54	Capacity	SR 522 Stage 3 Improvements	\$32,000	\$65	\$20	\$35	\$55		\$175	\$175					\$175				\$175
26	T92	Capacity	240th St SE / 35th Ave SE Intersection Improvements	\$ 4,894	\$50		\$628	\$4,166	\$4,794		\$4,794	\$1,394						\$3,500		\$4,894
			TOTAL (\$)	\$160,021	\$11,113	\$10,555	\$31,007	\$70,031	\$107,631	\$15,075	\$122,706	\$16,262	\$3	\$22,518	\$0	\$12,146	\$15,000	\$56,705	\$72	\$122,706

Annual Pavement Preservation Program Projects - These project costs are included in the Annual Pavement Program (TIP #10)

10A	T89	Condition	228th St SW Pavement Preservation (2nd Ave SE to 9th Ave SE)	\$1,634	\$1,452				\$1,452		\$1,452	\$576		\$126				\$750		\$1,452
10B	T90	Condition	NE 195th St Pavement Preservation	\$2,335	\$260	\$2,075			\$2,335		\$2,335	\$1,194		\$281				\$860		\$2,335
10C	T93	Condition	228th St SW Pavement Preservation (5th Ave W to 2nd Ave SE)	\$1,683			\$187	\$1,496	\$1,683		\$1,683	\$724		\$209				\$750		\$1,683
10D	T94	Condition	Bothell-Everett Highway Pavement Preservation (240th St SE to I-405 Limits)	\$2,245	\$1,995				\$1,995		\$1,995	\$200		\$358				\$1,437		\$1,995
10E	T96	Condition	NE 160th Street Overlay Project	\$826		\$765			\$765		\$765	\$94		\$46				\$625		\$765
TOTAL (\$)				\$7,897	\$3,707	\$2,075	\$187	\$1,496	\$7,465	\$0	\$7,465	\$2,694	\$0	\$974	\$0	\$0	\$0	\$3,797	\$0	\$7,465

Sidewalk/Walkway Program Projects - These project costs are included in the Sidewalk/Walkway Program (TIP #11)

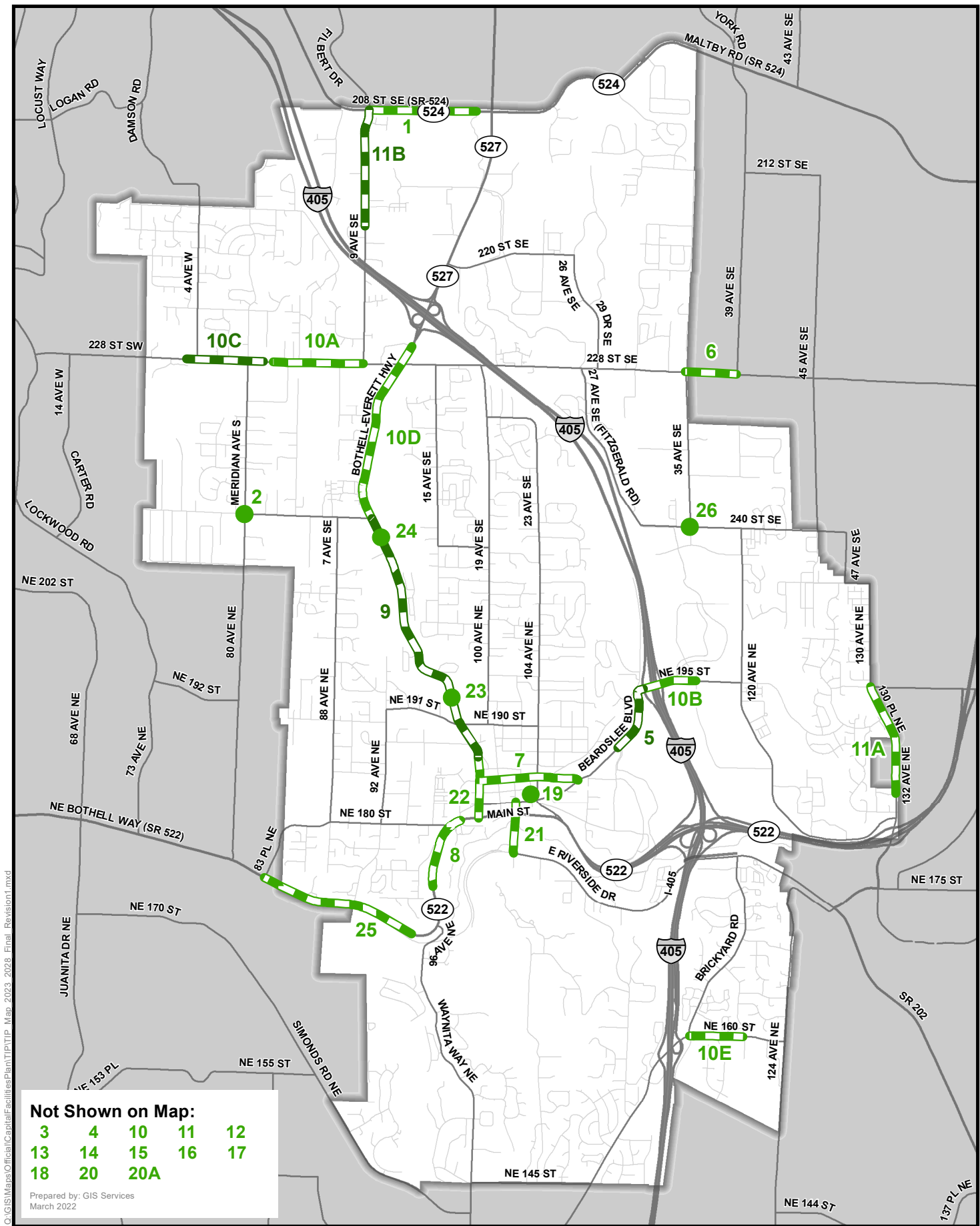
11A	T84	Sidewalk	130th Place NE and 132nd Ave NE Sidewalk Improvements	\$1,254	\$156	\$115	\$1,291		\$1,562		\$1,562	\$375				\$250		\$937		\$1,562
11B	T83	Sidewalk	9th Ave NE Pedestrian Improvements: North Phase	\$1,381	\$41	\$301	\$1,138		\$1,480		\$1,480	\$591						\$889		\$1,480
TOTAL (\$)				\$2,635	\$197	\$416	\$2,429	\$0	\$3,042	\$0	\$3,042	\$966	\$0	\$0	\$0	\$250	\$0	\$1,826	\$0	\$3,042

Crosswalk Program Projects - These project costs are included in the Crosswalk Program (TIP #20)

20A	T95	Crosswalk	Rectangular Rapid Flashing Beacon at School Crossings	\$320	\$305				\$305		\$305	\$61						\$244		\$305
TOTAL (\$)				\$320	\$305	\$0	\$0	\$0	\$305	\$0	\$305	\$61	\$0	\$0	\$0	\$0	\$0	\$244	\$0	\$305

\*Note: Denotes Transportation Impact Fee Projects





## 2023 - 2028 Six-Year Transportation Improvement Program

## **Six-Year Transportation Improvement Program (TIP)**

### **Project Descriptions**

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#### **TIP #1: North Creek Trail – Section 4 (from N Terminus of North Creek Trail: Section 3 to Filbert Dr)**

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Project Type: Trail/Sidewalk

Description: North Creek Trail is a seven-mile regional, multi-use trail connecting the Burke-Gilman/Sammamish River Trail in King County and the Interurban Trail at McCollum Park in Snohomish County. This project will complete the missing link between the proposed Snohomish County portion of the trail and the existing Bothell portion of the trail. This trail will consist of a separated 10' wide multi-purpose paved path and will connect to the planned Snohomish County North Creek Trail north of the SR 524 and the North Creek Trail Section 3 in Bothell. This project may consist of an elevated boardwalk structure over the wetland areas. This project will be constructed in 3 phases – Phase 1 (Filbert Road to east side of Centennial Park entrance), Phase 2 (Centennial Park entrance to east side of North Creek bridge), and Phase 3 (east side of North Creek bridge to NCT3).

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#### **TIP #2: Meridian Avenue S and 240th Street SE Roundabout**

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Project Type: Safety/Capacity

Description: This project will construct a roundabout at the intersection of 240 Street SE and Meridian Ave S. In addition, sidewalks, crosswalks, Americans with Disabilities Act (ADA) ramps, drainage, and illumination will be installed.

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#### **TIP #3: Adaptive Signal Control System: Phase 1**

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Project Type: Capacity

Description: Installation of an adaptive signal control system in nine (9) of the City's traffic signals. This project would be in coordination with Snohomish County, Everett, and WSDOT covering a total of 47 traffic signal controlled intersections. Snohomish County is leading this project.

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#### **TIP #4: Adaptive Signal Control System: Phase 2**

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Project Type: Capacity

Description: This is the second phase of the project that will install adaptive signal control systems in City traffic signals to improve traffic circulation and reduce delay. This project will install the systems in eleven (11) Bothell intersections along Bothell Way (NE 191<sup>st</sup> St to SR 522) and SR 522 (96<sup>th</sup> Ave NE to Campus Way S). A regional federal grant application has been awarded and Snohomish County will be the project lead. Mill Creek, Lynnwood, Mountlake Terrace, and WSDOT are other partners.

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#### **TIP #5: Beardslee Boulevard Widening (Campus to I-405)**

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Project Type: Capacity

Description: This project provides an additional eastbound lane along Beardslee Boulevard from 110th Avenue NE (the entrance to the UWB/CCC Campus) to I-405. The project will include roadway widening, concrete curb and gutter, bike lane, signal modifications, trail relocation, street illumination, retaining walls, and wetland mitigation.

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**TIP #6: 228<sup>th</sup> St SE from 35<sup>th</sup> Ave SE to 39<sup>th</sup> Ave SE Widening**

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Project Type: Capacity

Description: This project will improve 228th St SE between 35th St SE and 39th Ave SE for approximately 1500 feet in length with an additional 300 feet of 228th St SE west of 35th St SE. Work will include widening 228<sup>th</sup> St SE from 3 lanes to 4 lanes, and improving intersections at 35th Ave and 39th Ave SE. The project will include roadway widening, signal modifications, storm water improvements, concrete curbs, gutters, sidewalks, bike/pedestrian facilities, street lighting, landscaping and wetland mitigation.

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**TIP #7: NE 185<sup>th</sup> Street Reconstruction and Transit Center (Beardslee Blvd to Bothell Way)**

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Project Type: Capacity

Description: This project will provide transit improvements on 98<sup>th</sup> Ave NE between SR 522 and Bothell Way NE, and on NE 185th Street between Bothell Way NE and Beardslee Boulevard. Work will primarily include intersection modifications/improvements along 98<sup>th</sup> Ave NE at NE 183<sup>rd</sup> St as well as some channelization modifications north of the intersection. It will also include intersection modifications on NE 185<sup>th</sup> St at Bothell Way NE, 101<sup>st</sup> Ave NE and 102<sup>nd</sup> Ave NE with traffic signals installed at the 104th Avenue NE and Beardslee Boulevard. Transit stations are anticipated to be installed near the King County Library, at 104<sup>th</sup> Ave NE, and near the UW Bothell's Husky Village on Beardslee Boulevard. The work will be coordinated with necessary water, sewer, and storm water utility improvements along NE 185<sup>th</sup> St. If funding is available, pavement rehabilitation may occur. This project will be completed by Sound Transit.

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**TIP #8: SR 522, Stage 2B Improvements (Wayne Curve to 98<sup>th</sup> Ave NE)**

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Project Type: Capacity

Description: This project will provide transit improvements on SR 522 between 96<sup>th</sup> Ave NE (Wayne Curve) and 98<sup>th</sup> Ave NE. Improvements would be in the form of an eastbound center transit-only access lane with U-turn capability on the west end of the transit access lane and at NE 180<sup>th</sup> Street. No Business Access Transit (BAT) lanes will be installed, however, the project will also install curb, gutter, drainage, landscape strip, and sidewalk improvements. The project will install a second left turn lane from eastbound SR 522 to northbound 98<sup>th</sup> Ave NE for transit use only. The project could also install queue jumps to allow transit to efficiently move through the corridor at intersections. This project will be completed by Sound Transit.

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**TIP #9: Bothell Way Widening (Reder Way to 240<sup>th</sup> Street SE)**

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Project Type: Capacity

Description: This project will widen Bothell Way NE from Reder Way to 240th Street NE from 2 lanes to 4 or 5 lanes: 2 through-lanes in each direction, a two-way left turn where needed, intersection improvements, protected bicycle lanes, landscaping strips, and sidewalks. The work includes street lighting, retaining walls, removing and replacing fish barrier culverts, storm drain system improvements, and wetland mitigation. The project is anticipated to be divided into 3 segments: King County Phase 1 and 3, and Snohomish County Phase 2. The King County Phase 1 and Snohomish County Phase 2 segments will construct about 1/3 of the project at each end. The King County Phase 3 will construct the remaining middle third section. This is a key project to prepare the corridor for a future Community Transit Swift bus rapid transit route extension.

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**TIP #10: Annual Pavement Preservation Program**

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Project Type: Program

Description: This program analyzes and rates pavement condition throughout the City using a Pavement Management System and extends roadway life using various treatment methods such as crack sealing, slurry sealing, chip sealing, and asphalt overlays. City funds are augmented with grant funding when available.

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**TIP #10A: 228<sup>th</sup> Street SW Pavement Preservation (2<sup>nd</sup> Ave SE to 9<sup>th</sup> Ave SE)**

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Project Type: Condition

Description: This project will overlay 228<sup>th</sup> St SW from 2<sup>nd</sup> Ave SE to 9<sup>th</sup> Ave SE. The project consists of milling, spot repairs, pavement overlay, and striping work for each segment of the roadway.

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**TIP #10B: NE 195<sup>th</sup> Street Pavement Preservation**

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Project Type: Condition

Description: This project will overlay NE 195<sup>th</sup> St from 112<sup>th</sup> Ave NE to North Creek Parkway. The project consists of milling, spot repairs, pavement overlay, and striping work for each segment of the roadway.

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**TIP #10C: 228<sup>th</sup> St SW Pavement Preservation (5<sup>th</sup> Ave W to 2<sup>nd</sup> Ave SE)**

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Project Type: Condition

Description: This project will overlay 228<sup>th</sup> St SW from 5<sup>th</sup> Ave W to 2<sup>nd</sup> Ave SE. The project consists of milling, spot repairs, pavement overlay, and striping work for each segment of the roadway.

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**TIP #10D: Bothell-Everett Highway Pavement Preservation (240<sup>th</sup> St SE to I-405 Limits)**

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Project Type: Condition

Description: This project will overlay Bothell-Everett Hwy from 240<sup>th</sup> St SE to the I-405 limited access area. The project consists of milling, spot repairs, pavement overlay and striping work for each segment of the roadway.

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**TIP #10E: NE 160<sup>th</sup> Street Overlay Project**

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Project Type: Condition

Description: This project includes overlay of the existing pavement of NE 160<sup>th</sup> Street (from 116<sup>th</sup> Ave NE to 121<sup>st</sup> Ave NE). The project consists of milling, spot repairs, pavement overlay, and striping work for each segment of the roadway.

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**TIP #11: Sidewalk/Walkway Program**

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Project Type: Program

Description: This program addresses missing links in the City's pedestrian network, Americans with Disabilities Act (ADA) needs, and pedestrian crossings. Sidewalk needs are inventoried and prioritized using a methodology

that accounts for proximity to schools, public services, and low-income housing; missing sidewalk and curb ramps; street classification; collision data; and citizen requests. The program is supplemented with Safe Streets and Sidewalks funding. A Safe School Walk Routes Taskforce created a prioritized project list of sidewalk gaps to fill.

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**TIP #11A: 130<sup>th</sup> Place NE and 132<sup>nd</sup> Avenue NE Sidewalk Improvements**

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Project Type: Sidewalk

Description: The Proposed improvements consist of concrete sidewalk, planting strip buffer, curb and gutter, storm drainage, ADA curb ramps and crosswalks on the west side of 132<sup>nd</sup> Ave NE and 130<sup>th</sup> Pl NE between NE 184<sup>th</sup> Pl and NE 195<sup>th</sup> St in the City of Bothell and the City of Woodinville. This will likely be a joint project with the City of Woodinville.

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**TIP #11B: 9<sup>th</sup> Ave SE Pedestrian Improvements: North Phase**

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Project Type: Sidewalk

Description: This project will provide a safe and continuous walk route for students who live north of Crystal Springs Elementary School, including the residential neighborhoods north of 208th Street SE (SR 524). The project will complete missing segments of sidewalk to provide a continuous sidewalk on the east side of the street between 209th Pl SE and 215th St SE. The improvements include sidewalk, curb, gutter, and storm drainage. Crossing improvements are proposed at the intersection of 9th Ave SE and 213th St SE, which include striped crosswalks, pedestrian flags, and ADA compliant curb ramps.

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**TIP #12: Safety Upgrade and Replacement Program**

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Project Type: Program

Description: This project provides funding for safety improvements to the infrastructure. Types of safety upgrade and replacement include guardrails, signage, minor curb replacement, removal of line-of-sight obstructions.

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**TIP #13: Bridge Inspection, Maintenance, Repair, and Rehabilitation Program**

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Project Type: Program

Description: This program funds bridge inspection, maintenance, minor repair, and minor rehabilitation work to the City's existing bridges. The program upholds commuter and pedestrian safety as well as essential emergency access. Major bridge rehabilitation, repair or replacement needs that are identified via the inspection program are funded in the City's Capital Facilities Plan (CFP) as specific projects.

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**TIP #14: Neighborhood Traffic Calming Program**

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Project Type: Program

Description: This program consists of developing and implementing neighborhood traffic calming projects throughout the City based on the established criteria in the City's adopted Neighborhood Traffic Calming Program (NTCP).

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**TIP #15: Bicycle Program**

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Project Type: Program

Description: This program will inventory existing bicycle facilities to identify missing gaps and safety issues and maintains a City-wide bicycle system plan. The inventory and plan will be used to develop a method for prioritizing

the bicycle projects. The program provides funding to complete projects in order to meet the goals of the overall plan.

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**TIP #16: Collector Corridor Traffic Safety Program**

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Project Type: Program

Description: This program addresses mobility and safety improvement needs along collectors. Many of these corridors are located in the residential areas where the residents experience high-speed traffic in large volumes.

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**TIP #17: Comprehensive Plan – Transportation Element**

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Project Type: Planning

Description: The City's Comprehensive Plan undergoes a comprehensive plan update every eight years. At that time significant transportation planning and analyses must be accomplished to support the plan vision. In intermediate years, amendments are made to the plan to address changing conditions, issues, and needs. Often, these amendments affect the City's transportation system and analyses must be completed to determine their effects. This line item provides resources to support this on-going planning process.

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**TIP #18: Citywide Child Pedestrian School and Park Zone Safety Program**

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Project Type: Program

Description: This program addresses child pedestrian safety needs specifically related to schools and parks. Projects associated with this program include, but are not limited to, street crossings, sidewalk gap fill-ins, and installation of signs.

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**TIP #19: 102<sup>nd</sup> Avenue NE Downtown Access Improvements**

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Project Type: Sidewalk

Description: This project will replace existing damaged sidewalks in the north-south direction between NE 185th Street and the King County Park and Ride along 102<sup>nd</sup> Ave NE in order to connect transit users with the downtown businesses. The work will consist of reconstructing sidewalks, curb ramps, tree wells, and installing lighting to provide safe and accessible routes that meet ADA requirements to and from multimodal corridors.

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**TIP #20: Crosswalk Program**

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Project Type: Program

Description: This program addresses pedestrian crossings. Crosswalk needs are inventoried and prioritized using a methodology that accounts for proximity to schools, public services, and low-income housing, street classification, collision data, and citizen requests.

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**TIP #20A: Rectangular Rapid Flashing Beacons at School Crossings**

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Project Type: Safety

Description: This project consists of installation of Rectangular Rapid Flashing Beacons (RRFB) at three school crossing locations. The scope of work also includes construction of American with Disabilities Act (ADA) ramps,

curb work, and necessary pedestrian landing and related work at the crosswalks, signs, and installation of three sets of RRFB at 9<sup>th</sup> Ave SE/226<sup>th</sup> St SE, 104<sup>th</sup> Ave NE/NE 200<sup>th</sup> St, and 112<sup>th</sup> Ave NE/NE 160<sup>th</sup> Pl.

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**TIP #21: 102<sup>nd</sup> Ave NE Bridge Replacement**

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Project Type: Condition

Description: This project will replace the existing 102<sup>nd</sup> Avenue NE Bridge, and reconstruct the roadway approaches.

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**TIP #22: Multiway Boulevard and Crossroad Street Light Reorientation**

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Project Type: Economic/Capacity

Description: This project reorients the LED street lights to the proper orientation.

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**TIP #23: Bothell Way NE Stream Rockery Repair**

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Project Type: Condition

Description: This project repairs a small portion of rockery along Horse Creek just north of 19213 Bothell Way NE that has failed.

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**TIP #24: Bothell-Everett Highway Interim Rechannelization**

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Project Type: Condition

Description: This project will shift the Bothell-Everett Highway (BEH) north of 242<sup>nd</sup> St SE to the west by approximately one lane's width to remove traffic loading from the edge of the slope. The median will be eliminated and the lanes restriped. This is an interim improvement until such time that a permanent solution can be funded. The permanent solution is anticipated to be completed with the Bothell Way NE Widening project.

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**TIP #25: SR 522, Stage 3 Improvements**

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Project Type: Capacity

Description: The project is a continuation of the SR 522 Stage 1 and 2 improvements. It will provide road improvements and business access and transit (BAT) lanes from the end of the Stage 1 and 2 improvements at 96<sup>th</sup> Ave NE to 83rd Place NE (the western city limits). Key elements include: Widening of general purpose lanes; adding BAT lanes in each direction (including the missing eastbound direction of the BAT lane from 91st Avenue NE to approximately 800 feet west of the 96th Avenue NE intersection); access management; center medians; interconnection of signals; sidewalk (north side only with the existing Sammamish River/Burke Gilman Trail on the south side); curb and gutters; retaining walls; street illumination; drainage improvements; landscaping; and utility undergrounding. The total project length is approximately 4,000 linear feet.

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**TIP #26: 240<sup>th</sup> St SE/35<sup>th</sup> Ave SE Intersection Improvements**

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Project Type: Capacity

Description: This project will improve the 35th Ave SE 240th St SE intersection that serves as the north entrance to the Monte Villa Business Park. The project will install a traffic signal with required turn lanes or a roundabout. Installation would include necessary storm water improvements, concrete curbs, gutters, sidewalks, bike/pedestrian facilities, street lighting, and landscaping.

## Transportation Needs List (2022)

TNL #	Project Type	Project Name	Project Description	Source	Estimated costs (if available)
Transportation					
1	Economic	Main Street Enhancement, Phase 2: 102nd Ave NE to Kaysner Way	Implements improvements to Main Street from just east of 102nd Ave NE to Kaysner Way. The project reworks the entire streetscape within the existing right-of-way.	Previous TIP	\$5,654,000
2	Safety	5th Ave W Pedestrian Safety Improvements	Constructs an extruded curb along the east side of 5th Ave W between 240th St SE and the Shelton View Elementary School.	Previous TIP	\$73,000
3	Condition	240th Street Improvements (Fitzgerald Road to 240th St SE Bridge)	Rebuilds the 240th St SE roadway west of the bridge to Fitzgerald Road at a higher elevation to raise it above the 100 year flood elevation.	Previous TIP	\$3,184,000
4	Capacity	SR 522 Corridor, Phase 4: East of 101st	Installs sidewalks, access management, signal prioritization, and non-motorized connections. Improvements to Kaysner Way intersection.	Previous TIP/ Comp Plan/ Congestion List	
5	Condition	Fitzgerald Road Improvements: 240th Street SE to 228th Street SE	Minor roadway widening including curb/gutter and sidewalks along east side of roadway to meet City standards	Previous TIP/ Comp Plan	
6	Capacity	9th Avenue SE Widening: 228th St SE to SR 524	Upgrades 9th Ave SE to meet existing Collector standards. Proposed improvements would provide: one travel lane in each direction; a center turn lane; a bicycle lane; curbs/gutters; sidewalks; drainage and utility improvements; and pedestrian improvements. This project will also include improvements at the 228th and SR 524 intersections.	Previous TIP	\$7,839,000

## Transportation Needs List (2022)

TNL #	Project Type	Project Name	Project Description	Source	Estimated costs (if available)
7	Safety/Capacity	SR 524 Safety and Access Improvements: SR 527 to 39th Ave SE (Also known as SR 524 Corridor Improvements)	Addresses the safety and access concerns on SR 524 between SR 527 and 39th Ave SE. Access improvements will be limited to roadway widening to provide for left turn pockets and improve sight distances.	Previous TIP/ Congestion List	
8	Condition	Sammamish River Bridge Replacement (BOT-10)	Replaces the existing bridge and make road, bicycle, and pedestrian improvements along Waynita Drive NE and 96th Avenue NE.	Previous TIP	\$8,742,000
9	Condition	108th Ave NE Roadway Rehabilitation	Rebuilds 108th Ave NE/112th Pl NE from approximately E. Riverside Dr to NE 164th St to address slope stability and drainage issues and provide pedestrian and bicycle facilities	Previous TIP	\$29,320,000
10	Capacity	Beardslee Boulevard Widening (NE 185th Street to 110th Avenue NE)	Widens to 4 or 5 lanes. Add northbound left turn lane (2 left) from 110th Avenue NE. Re-channelize southbound right turn lane to through/right configuration on Beardslee Boulevard	Previous TIP/ Comp Plan/ Congestion List	\$7,593,000
11	Capacity	240th St SE & 39th Ave SE Intersection Improvements (Traffic signal or roundabout)	Adds signal and eastbound right turn pocket or a roundabout.	Previous TIP/ Comp Plan/ Congestion List	\$1,394,000

## Transportation Needs List (2022)

TNL #	Project Type	Project Name	Project Description	Source	Estimated costs (if available)
12	Trail	East Riverside Drive Trail (102 <sup>nd</sup> Ave NE to City Limits)	This project constructs a 12' wide multi-use trail along the north side of East Riverside Drive within the old railroad right-of-way. This segment of trail will extend from just east of 102 <sup>nd</sup> Ave NE to the City's eastern City Limits east of Brickyard Road. It is assumed that the City will not need to purchase right-of-way for the approximately 8000 linear foot long trail segment. This project will have to be coordinated with King County.	Previous TIP	\$4,050,000
13	Sidewalk	101st Ave NE, 103rd Ave NE, and 104th Ave NE - Downtown Access Improvements Phase 2	This project represents Phase 2 of the Downtown access improvements to transit facilities. The improvements will occur along 101st Ave NE, 103rd Ave NE, and 104th Ave NE. (Phase 1 includes 102nd Ave). The project will replace existing damaged sidewalks in the north-south direction between NE 185th and Main Street (and potentially along Kaysner Way) in order to connect transit users with the downtown businesses. The work will consist of reconstructing sidewalks, curb ramps, tree wells; and installing lighting to provide a safe and accessible route meeting ADA requirements to and from multimodal corridors.	Previous TIP	

## Transportation Needs List (2022)

TNL #	Project Type	Project Name	Project Description	Source	Estimated costs (if available)
14	Program	Emergency and Spot Improvements Program	This program provides funding for immediate actions to address landslides, erosion, deterioration, vandalism, and spot hazardous locations. The ability to maintain will be a determining factor for selection of improvements. Work on this program deals with emergency situations when work cannot be delayed.	Previous TIP	
15	Program	Concurrency Monitoring and Modeling Program	This program will gather annual traffic counts and compute intersection level of service throughout the City along arterial and collector streets. This work is required to ensure that the City is meeting its concurrency requirements per the comprehensive plan.	Previous TIP	
16	Capacity	35th Avenue SE (240th St SE to 228th St SE)	Widens to 3 lanes. Includes curb/gutter and sidewalk improvements. Shared bike facilities or bike lane.	Comp Plan	\$33,427,000
17	Capacity	112th Ave NE & Juanita-Woodinville Way NE	Adds southbound right turn pocket on Juanita-Woodinville Way	Comp Plan/ Congestion List	\$900,000
18	Capacity	NE 160th St & 124th Ave NE	Adds southbound right turn pocket.	Comp Plan/ Congestion List	\$900,000
19	Capacity	228th Street SE and Fitzgerald Road	Adds eastbound right turn pocket.	Comp Plan/ Congestion List	\$900,000
20	Capacity	228th Street SE and 29th Drive SE	Adds westbound right turn pocket.	Comp Plan/ Congestion List	\$900,000
21	Capacity	228th Street SE and 31st Avenue SE	Adds westbound right turn pocket.	Comp Plan/ Congestion List	\$900,000
22	Capacity	SR 524 and 9th Avenue SE	Add northbound left turn lane (2 left)	Comp Plan/ Congestion List	\$900,000

## Transportation Needs List (2022)

TNL #	Project Type	Project Name	Project Description	Source	Estimated costs (if available)
23	Capacity	Bothell Everett Hwy/228th St SE Intersection Capacity Improvements	No definitive work scope. Planning and alternative analyses need to be completed.	Congestion Project List	
24	Capacity	228th St SE Corridor Improvements (Meridian Ave to Fitzgerald Rd)	No definitive work scope. Planning and alternative analyses need to be completed.	Congestion Project List	
25	Capacity	NE 180th St/132nd Ave NE Intersection (SR 522 Interchange)	No definitive work scope. Planning and alternative analyses need to be completed.	Congestion Project List	
26	Capacity	SR 522/96th Ave NE Intersection Improvements (Northbound approach)	No definitive work scope. Planning and alternative analyses need to be completed.	Congestion Project List	
27	Capacity	100th Ave NE/NE 145th Street Intersection Improvements	No definitive work scope. Planning and alternative analyses need to be completed.	Congestion Project List	
28	Trail	North Creek Trail - Canyon Park	Replaces approximately 600 linear feet of a substandard section of the trail located within Canyon Park along 220th Street SE between North Creek and 20th Ave SE.	Previous CFP	\$3,000,000
29	Capacity	Alternate North-South Corridor (Connect 120th Ave NE to 124th Ave NE)	Constructs an overpass across SR 522 to connect 120th Ave NE to 124th Ave NE to create a continuous north-south corridor.	New	
30	Planning	Downtown Circulation Study	Analyzes traffic within the Downtown Core to develop a plan to address congestion. This study will involve alternative analyses and public	New	\$100,000
31	Bike/Ped	Pedestrian/bicycle bridge over the Sammamish River	Constructs a bridge over the Sammamish River to connect the Brickyard Road area to the Sammamish River Trail.	New	

## Transportation Needs List (2022)

TNL #	Project Type	Project Name	Project Description	Source	Estimated costs (if available)
32	Condition	102nd Ave NE Sidewalk Replacement	Replace 102nd Ave NE sidewalk between East Riverside Drive and 102nd Ave Bridge.	New	
33	Planning	Downtown Parking Study: Phase 2	Evaluates the current and future parking situation in Downtown Bothell, sets goals for desired state, and looks further into various policy options for Council consideration. These may include: Changes to parking requirements on new	New	
34	Capacity	243rd Street SE / NE 203rd Street Connector	This project includes a new street connection between Bothell-Everett Highway and 88 <sup>th</sup> Avenue NE. The easterly portion of this new street has been constructed in conjunction with the developer of the Safeway property. The new roadway would traverse private properties located in the southerly portion of the Red Barn Village special district within the Country	New	
35	Capacity	20th Avenue NE Extension	This new street extension provides a connection between 214th Street SE in the Canyon Park Business Park to SR-524. The extension will assist the distribution of traffic to minimize impacts to SR-527.	Canyon Park Subarea Plan Update (M-2)	\$20,740,000
36	Capacity	214th Street SE Extension	This new street extension provides a connection between Bothell-Everett Highway at 214th Street SE in the Canyon Park Business Park, to 9th Avenue SE and include improvements to 214th Street SE and 9th Avenue SE intersection.	Canyon Park Subarea Plan Update (M-3)	\$19,192,000

## Transportation Needs List (2022)

TNL #	Project Type	Project Name	Project Description	Source	Estimated costs (if available)
37	Capacity	220th Street SE / 20th Ave SE	Construct new traffic signal and channelization modifications	Canyon Park Subarea Plan Update (O-2)	\$3,000,000
38	Capacity	223rd Street SE / 26th Ave SE	Construct new traffic signal and channelization modifications	Canyon Park Subarea Plan Update (O-2)	\$3,000,000
39	Capacity	220th Street SE / 26th Ave SE	Construct new traffic signal and channelization modifications	Canyon Park Subarea Plan Update (O-2)	\$3,000,000
40	Capacity	220th Street SE / 17th Ave SE	Construct second westbound left turn lane on 220th St SE to 17th Ave SE	Canyon Park Subarea Plan Update (M-5)	\$2,580,000
41	Sidewalk	228th St SE under I-405 Overpass	Construct new sidewalk facilities to close gaps along 228th St SE.	Canyon Park Subarea Plan Update (O-6)	\$2,000,000
42	Bicycle	26th Ave SE and 29th Ave SE Rechannelization	Convert travel lanes on this corridor between 228th St SE and 26th Ave SE to dedicated bicycle lanes	Canyon Park Subarea Plan Update (O-3)	\$150,000
43	Pedestrian/ Safety	SR 527 / I-405 Southbound Ramps	Review and improve pedestrian crossing facilities across the southbound I-405 ramps at SR 527.	Canyon Park Subarea Plan Update (O-7)	\$100,000

## Transportation Needs List (2022)

TNL #	Project Type	Project Name	Project Description	Source	Estimated costs (if available)
44	Capacity	SR 527 Widening Design and ROW (SR 524 to 220 <sup>th</sup> Street SE)	This project improves travel performance along the SR 527 corridor from SR 524 to 220 <sup>th</sup> St SE for both transit and general-purpose traffic. It accomplishes this by providing 3 travel lanes through all intersections within this corridor segment, inclusive of the SR 524 and 220 <sup>th</sup> St SE intersections, as well as completing a number of intersection improvements. The intersection improvements include modifying the east leg of the SR 527/SR 524 intersection to include a total of 2 dedicated left turn lanes, 2 westbound through lanes, a dedicated right turn lane, and 2 eastbound receiving lanes; adding a 2 <sup>nd</sup> southbound left turn lane from SR 527 to eastbound SR 524; adding a 2 <sup>nd</sup> left turn lane on the west leg of 220 <sup>th</sup> St SE at the intersection with SR 527; and adding a westbound dedicated right turn lane and 2 <sup>nd</sup> left turn lane on the east leg of 214 <sup>th</sup> St SE at the SR 527 intersection. Widening SR 527 and the intersections will likely require moving curbs, planter strips, sidewalks, and lighting.	New	\$25,000,000

**Transportation Needs List (2022)**

Revised: 2/1/22

TNL #	Project Type	Project Name	Project Description	Source	Estimated costs (if available)
45	Capacity	Transportation Demand Management (TDM Program)	Implement and manage Transportation Demand Management measures to encourage alternative travel modes from single occupancy vehicles to carpool/rideshare, walking, biking, or transit to minimize growth impacts to the adjacent street system.	Canyon Park Subarea Plan Update	\$750,000
<i>Note: Sidewalk, crosswalk, and pavement preservation projects are listed in the inventory lists of their respective programs.</i>					